

What is claimed:

1. A vehicle headlight assembly comprising a concave reflector having a focal axis and a focal point on said axis; a light source located on said focal axis, said reflector having an opening aligned with said focal axis; said light source having a tubular conduit extending through said opening on the focal axis; and electrical power means connected to said conduit for moving said conduit on its axis through the plane of said opening, whereby said light source is moved toward or away from the reflector through an infinite number of positions between the high beam and the low beam positions.
2. The headlight assembly of claim 1, and further comprising light source wiring extending within said tubular conduit.
3. The headlight assembly of claim 1, and further comprising pivot support means for said reflector, whereby the focal axis of the reflector is adjusted from a generally horizontal orientation to a downwardly-tilted orientation as the light source moves from the high beam position to the low beam position.
4. The headlight assembly of claim 4, wherein said electrical power means comprises an electric motor, a pinion gear driven by said motor, and a toothed rack movable with said tubular conduit.

5. The headlight assembly of claim 3, wherein the rack teeth are oriented on a line that is acutely angled to the movement axis of the tubular conduit.

6. The headlight assembly of claim 3, and further comprising an annular seal between the tubular conduit and the opening in the reflector for preventing any migration of dirt or moisture through said opening.

7. The headlight assembly of claim 3, wherein said reflector has a parabolic reflective surface facing the light source.

8. The headlight assembly of claim 7, wherein said pivot support means is located on said focal axis.

9. The headlight assembly of claim 8, wherein said pivot support means is located so that the focal point is between the pivot support means and the parabolic reflective surface.